



Nonconformance Report
Lower Passaic River Restoration Project
Remedial Investigation
Chemical Water Column Monitoring
Project No: 60139067 - LPRSA



Nonconformance Number: NC-120828-1	
Document (plan or SOP title and date): Small Volume Chemical Water Column Monitoring QAPP Rev 2, August 2011	
Activity: Sampling for Low Flow Spring Tide Event	
<p>Nonconformance: The SV CWCM QAPP states that flows at Dundee Dam must be <400 cubic feet per second (cfs) for 7 days prior to, and during, a Low Flow Spring Tide Event. Flows at Dundee Dam were < 400 cfs since August 18, 2012, when thunderstorms caused a spike to 830 cfs. Elevated flows lasted until August 20, when they returned to <400 cfs.</p> <p>A brief but intense rain fall on Tuesday morning, August 28, 2012, caused the river to rise. Flows at the Dundee Dam gage at 06:30 were approximately 253 cfs, but rose to 407 cfs by 07:15. This is above the target flow for the SV CWCM Low Flow Event of 400 cfs. AECOM notified de maximis, who consulted with the USEPA RPM. USEPA advised the CPG to continue sampling in the tributaries, but to monitor the river.</p> <p>The flows peaked at 11:45 at 545 cfs. USEPA was again consulted, but since the river upstream and the tributaries, such as Saddle River, were past peak and falling rapidly, USEPA recommended continuing with the Low Flow program. Flows were below 400 cfs (392 cfs) by 18:45.</p>	
Date of Nonconformance: August 28, 2012	
<p>Ramifications/Corrective Action: The temporary raised flows in the river (to 545 cfs) are outside the target flow of <400 cfs for a Low Flow event, but occurred during the sampling of the tributaries, which are not likely to be impacted by the slightly higher flow. As the primary objective of the Low Flow Spring Tide Event is to monitor the upstream intrusion of the salt wedge during low flows and a spring tide (i.e., elevated high tide), the sampling in the upper part of the river was postponed to later in the week, to allow flows to stabilize lower.</p> <p>On August 29, 2012 at 13:00, the approximate target time of the first sample in the river (at RM 0 and RM 1.4), flows were 378 cfs.</p> <p>On August 30, 2012 at 14:00, the approximate target time of the first sample at RM 10.2, Tidal 1 and Tidal 2, flows were 253 cfs.</p> <p>No impacts to project objectives are anticipated as a result of the temporary increase in flows.</p>	
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